

# N704

## CC2630 ZIGBEE RF PA Module

### INTRODUCTION

N704 is a low-cost and small size ZIGBEE RF module for transmitting and receiving digital data via radio frequency. All of the N704's electronics (including an antenna) reside on a single PCB, and all operational power is derived from a single supply voltage.

The transceiver design consists of a TI CC2630 low-power, integrated UHF transceiver RF chip, The module used PCB antenna, and all IO pin are brought out. The module available frequency is from 2405MHz to 2480MHz, The hardware is designed for maximum range.

### Technical specifications

#### Hardware Information

Interfaces: IO, SPI, UART  
Dimension: 36 x 21mm x 3mm  
Operating voltage: 2-3.6V  
Operating temperature: -30°C to +80°C

Consumption (RX): 17mA  
Consumption (TX): 160mA  
Wireless Micro-controller: CC2630  
Mounting: SMD

#### Software

Asynchronous Transparent mode  
Low Power mode  
Secure mode

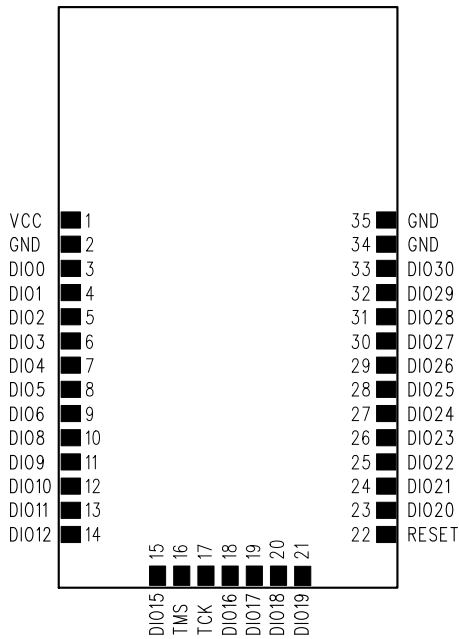
RSSI mode  
Serial bootloader  
Adjustable packet size

#### Wireless Interface

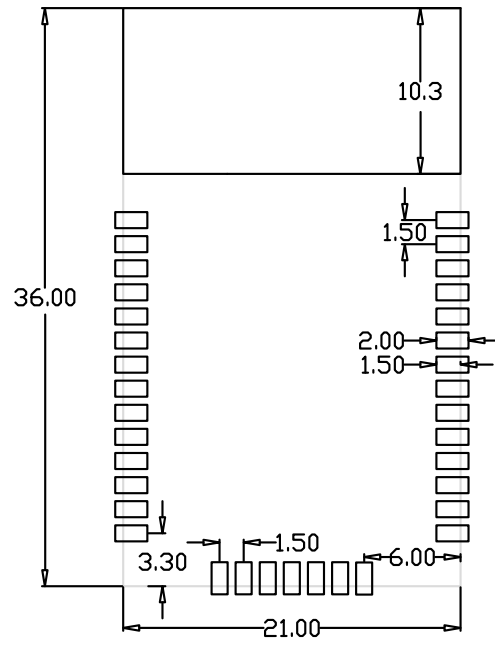
RF pin  
Frequency: 2405 to 2480MHz  
Modulation: GFSK  
RF deviation:  $\pm 10$  KHz

RF data rate: 250 kbps  
RF output power: up to 20dBm  
RF sensitivity: -102dBm

## Pin configuration & Dimensions



PIN define



PCB LAYOUT(mm)

## Part numbers

N704-A-S-ZB      RF Module N704-A-S-ZB – 100mW – 2405Mhz

## OTHER MODULES OF BANDS RANGE

N707-A-P-ZB      RF Module N707-A-P – 2mW – 2405Mhz

## Notice

This N704 USB dongle have not any fireware,custom must use your own firmware.

More about CC2540 information please see the CC2630 datasheet. Please visit :

[www.ti.com](http://www.ti.com)

## **Manufacturer**

SHENZHEN NANCHENG TECHNOLOGY CO.,LTD

## **Contact with us**

Shenzhen NanCheng Technology CO.,LTD

Addr: Room307,Xinbaoyuan Building,N5179,District 74 Xinan Street,

BaoAn District,Shenzhen,China 518101

Sales department: +0086 755 29662101

E-mail : [info@hkulike.com](mailto:info@hkulike.com)

Web: [www.hkulike.com](http://www.hkulike.com)